



**NEW ENGLAND
COMMON ASSESSMENT PROGRAM**

**Released Items
2010**

**Grade 3
Mathematics**

Mathematics



Items with this symbol were selected from Session
One—no calculators or other mathematics tools allowed.



- 1 Amanda used pennies to show a number. She used 8 pennies and 4 groups of ten pennies. What number did Amanda show?

☐ A. 12
☐ B. 22
☐ C. 48
☐ D. 84

- 2 Three children are weighing their dogs.

- Jerry's dog weighs 36 pounds.
- Dan's dog weighs 10 more pounds than Jerry's dog.
- Sara's dog weighs the most.

How many pounds could Sara's dog weigh?

☐ A. 24
☐ B. 40
☐ C. 46
☐ D. 51

- 3 A bakery sold three types of pies. This chart shows the number of each type of pie the bakery sold.

Pies Sold

Type of Pie	Number of Pies
Apple	87
Cherry	130
Peach	109

Which list shows the types of pies in order from the **fewest** sold to the **most** sold?

- ☐ A. apple, peach, cherry
- ☐ B. peach, cherry, apple
- ☐ C. apple, cherry, peach
- ☐ D. cherry, apple, peach

- 4 Molly covered a number on the number line below with a ■.



Which number is 10 **less** than the number Molly covered with a ■?

- ☐ A. 40
- ☐ B. 50
- ☐ C. 60
- ☐ D. 70






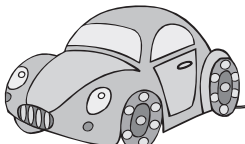
- 5 Andy has 43 beads. Christine has 29 beads. How many more beads does Andy have than Christine?

- ☐ A. 14
- ☐ B. 15
- ☐ C. 24
- ☐ D. 26

- 6 Harrison has these coins.



Which item could Harrison buy with these coins?

- ☐ A.  \$1.05
- ☐ B.  \$1.01
- ☐ C.  \$1.10
- ☐ D.  \$1.21

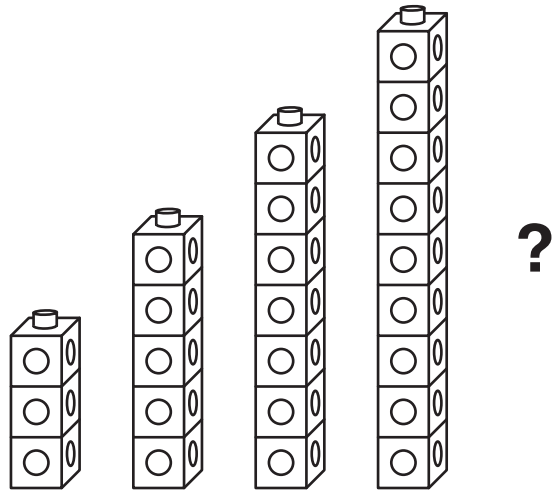
7 Look at this pattern.

116, 118, ? , 122, 124

What number is missing?

- ☐ A. 119
- ☐ B. 120
- ☐ C. 121
- ☐ D. 126

8 Julia used blocks to make this pattern.



Step 1 Step 2 Step 3 Step 4 Step 5

How many blocks does Julia need for Step 5?

- ☐ A. 12
- ☐ B. 11
- ☐ C. 9
- ☐ D. 2

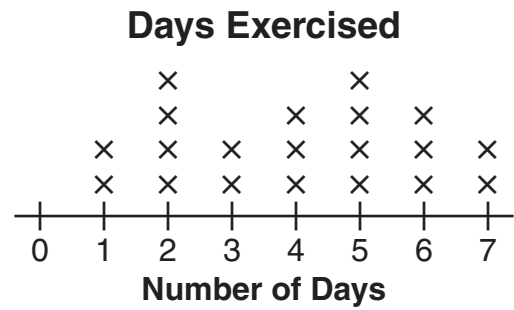
- 9 Look at this number sentence.

$$1 + 4 + \boxed{?} = 6 + 14$$

What number makes this number sentence true?

- ☐ A. 1
- ☐ B. 6
- ☐ C. 15
- ☐ D. 20

- 10 This line plot shows on how many days the students in Mr. Kennedy's class exercised last week.



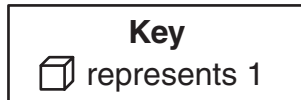
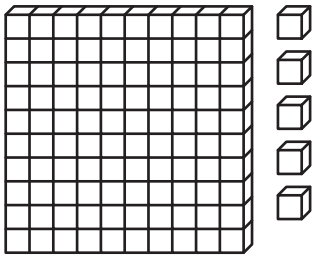
Key
× represents 1 student

How many students exercised on five or more days?

- ☐ A. 3
- ☐ B. 4
- ☐ C. 5
- ☐ D. 9




- 11 Look at these blocks.

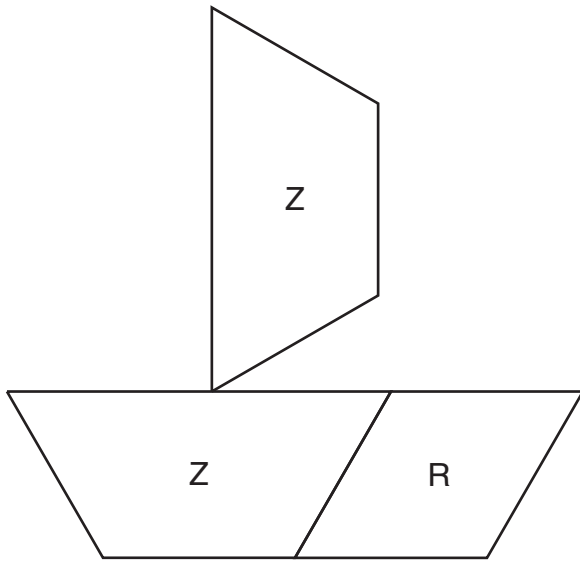


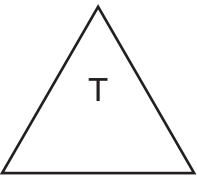
What number is 10 **less** than the number shown by these blocks?

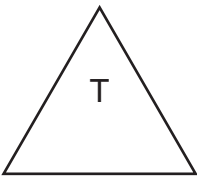


- 12 Lucy gave Grant 36 cents. She gave him the **fewest** coins possible. Show or name the set of coins Lucy gave Grant.

- 13 Oliver used some shapes to make this picture. 



Oliver used only  to cover this picture without any gaps or overlaps.

How many  did he use?



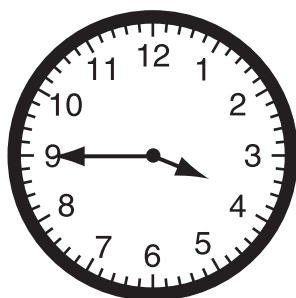
- 14 Look at this chart.

Art Club

	Grade 3	Grade 4	Grade 5	Total
Boys	4	6	5	15
Girls	9	4		

- a. The total number of girls in the Art Club is 10 **more** than the total number of boys. What is the total number of girls?
- b. How many **Grade 5** girls are in the Art Club?

- 15 This clock shows the time Randy went to the park.



- a. At what time did Randy go to the park?

Randy stayed at the park for 30 minutes.

- b. At what time did Randy leave the park?

- 16 Mrs. Taylor wants to buy one picture frame. These are the sizes and colors she can choose from.

Size	Color
Small	Black
Large	White

- a. Show **all** the different ways Mrs. Taylor can choose one size and one color for her picture frame.

Mrs. Taylor can also choose one shape for her picture frame. These are the shapes she can choose from.

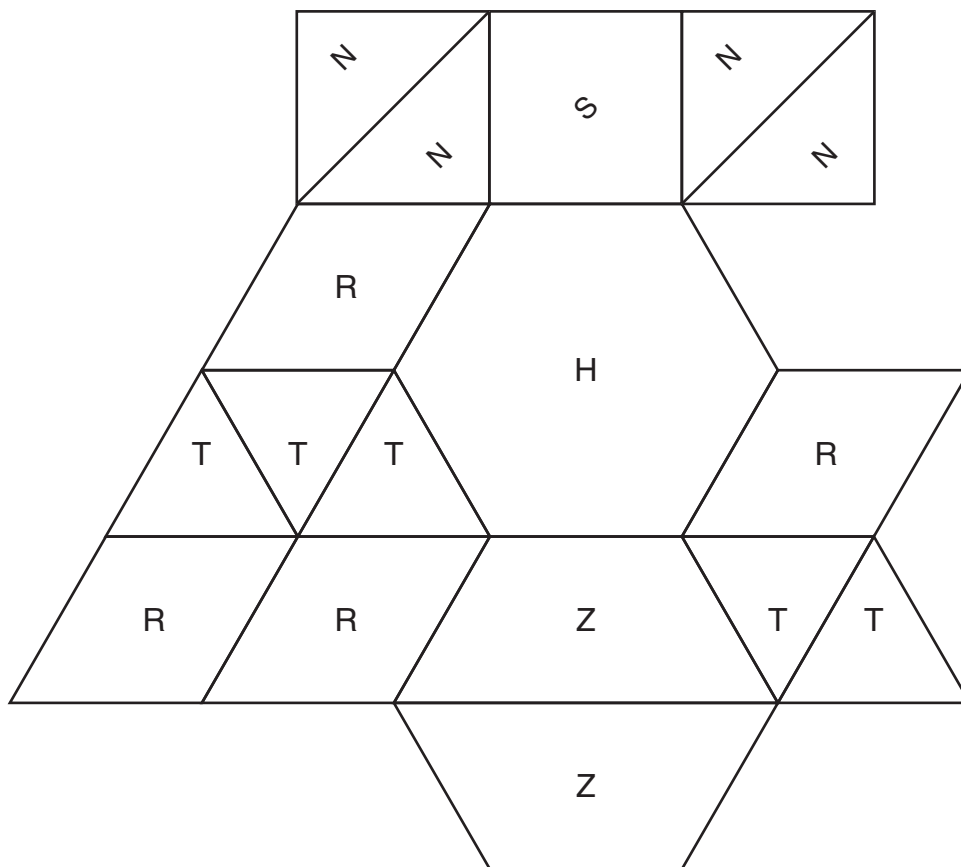
Shape
Circle
Rectangle

- b. How many different ways can Mrs. Taylor choose one size, one color, and one shape for her picture frame?

New England Common Assessment Program

Mathematics Tool Kit – Grade 3

Use the shapes to answer questions on the mathematics test.



square-inch tile	square-inch tile	square-inch tile	square-inch tile	square-inch tile
square-inch tile	square-inch tile	square-inch tile	square-inch tile	square-inch tile